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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

1. ☒ Fee Transmittal Form
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification [Total pages 32]
18 - pages description
1 - pages abstract
9 - pages claims 45 - Total claims
4 - Appendix A
3. ☒ Drawing(s) (35 USC 113) [Total sheets 30]
☐ Informal ☒ Formal [Total drawings 32]
4. ☒ Oath or Declaration [Total pages 3]
a. ☒ Newly executed (original)
b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]
i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 CFR 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation by Reference
(usable if Box 4b is checked)
The entire disclosure of the prior application,
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6. ☐ Microfiche Computer Program (Appendix)
7. ☐ Nucleotide and/or Amino Acid Sequence
Submission (if applicable, all necessary)
a. ☐ Computer Readable Copy
b. ☐ Paper Copy (identical to computer copy)
c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. ☒ Assignment Papers/cover sheet &
documents(s)
9. ☐ 37 CFR 3.73(b) Statement
(when there is an assignee)
☐ Power of Attorney
10. ☐ English Translation of Document (if applicable)
11. ☐ Information Disclosure Statement PTO-1449
☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
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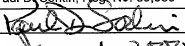
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DATE	June 1, 2000

**METHOD AND APPARATUS FOR DELIVERING CUSTOMIZED
INFORMATION ACCORDING TO A USER'S PROFILE**

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TECHNICAL FIELD

10 The present invention is related to providing customized information according to
a user's predefined criteria or profile.

BACKGROUND

15 The Internet has quickly become the primary source from which many people
gather information they need to make many types of decisions. Research that people
have done in the past is now being done over the Internet. Because there is so much
information on the World Wide Web, however, it is oftentimes difficult for an individual
20 to gather together information relevant to the individual's interests or needs. This
difficulty is due to the fact that there are so many different web sites that must be visited
or accessed to obtain the information. Visiting a large number of web sites, however, is
a very time intensive undertaking.

25 People look to the World Wide Web for information for many different reasons
including accessing health or medical information, historical research, current events and
sports information. Perhaps one of the most explosive areas of Internet usage is that of
purchasing goods. A task that oftentimes required either traveling from one store to
another in order to compare prices, scanning the ads in the Sunday paper or calling by
telephone (and hoping to reach an informed salesperson) has now been replaced by
30 clicking into various web sites in order to identify the availabilities and prices of specific
goods. While a person can do all of this from the convenience and privacy of his or her

own home, traveling from store to store in order to determine what is on sale has been replaced by “surfing” from one web site to another web site to comparison shop.

To alleviate the drudgery of clicking from one web site to another to find the best price, programs called “shop-bots” are known. These are software programs that search the web to find the offered prices for a particular item. In operation, a user enters information about the item, e.g., brand name or model number. The shop-bot program then proceeds to search through a large number of web sites and returns with information regarding the product found from the various sites. The user then reviews the list of sites and prices that has been presented and can then access a particular web site directly.

One disadvantage of these shop-bots is that a particular shop-bot might only access sites that have paid a fee to be included in any searches that are performed. This may exclude, however, sites that have not paid but which have better prices for the particular item. A user of any particular shop-bot needs to know beforehand the inclusiveness or exclusiveness of the sites that will be searched to determine the accuracy of the results. Further, a shop-bot is only really helpful when the potential buyer knows the specific model that is desired. In a situation where the buyer is looking for a generic device without any limitations as to specific brand or model, e.g., any portable CD player, a shop-bot would either return too many results or might not be able to complete the search. A known example of such a shop-bot can be found at www.mysimon.com.

While it may be possible for a shopper to identify the best price for a particular item, this still does not address a shopper who is not necessarily actively looking for a particular item to buy but who is interested in knowing about items and their prices because an item of interest at the right price might cause the person to purchase it. Vendors would like to be able to inform potential buyers that an item is available at a certain price because the availability/price combination might be all that is necessary to entice a person to make the purchase. Of course, if the vendor cannot get the information to the buyer, then no sale will ever occur.

As an alternative to, or in conjunction with, a shop-bot that responds to a query, an individual can also sign up or register to receive a newsletter or notification of items of interest via e-mail. To tailor the newsletter to his or her interests, an individual completes a questionnaire or form that defines the individual’s interests. The completed questionnaire defines the individual’s profile.

After the profile is complete, it is used by the originator of the newsletter service to prepare a newsletter for delivery to the individual. As an example, the newsletter may be directed to identifying web sites that provide the goods or services that, according to the profile, are of interest to the individual.

Often, however, the individual is not receiving a newsletter that has been customized or prepared specifically for the individual. Instead, the completed profile is used to "lump" the individual into a group of individuals that, for the most part, have common interests. A single newsletter is prepared and bulk e-mailed to the group of individuals.

Providers of electronic newsletters group recipients together to send a single newsletter because preparing a single newsletter for a single user does not scale very efficiently for large numbers of individuals. As the number of recipients becomes larger, a significant amount of computing power, i.e., processors, storage devices and the like, would be necessary to generate the newsletters. If the newsletter is to be prepared in a timely manner, the equipment investment necessary for this mode of operation would be prohibitive.

Therefore, in order to provide a large number of individuals with information that has been timely prepared for each person according to his or her profile, and in a cost effective manner, a new mechanism or approach is necessary.

SUMMARY OF THE INVENTION

A system is provided that accepts a user's (i.e., a potential buyer's) profile to be used to notify that user of items for sale that are closely aligned with the user's interests. Via the Internet, a user completes a form on which various categories of products are listed. By identifying the categories and an associated level of interest in each category, a profile of that user is created and stored. Subsequently, the stored profile is compared to information regarding all of the available items and a list of items most likely of interest to the user is created. The list will identify the item, its price and where the item can be purchased.

The list is transmitted to the user as a newsletter via e-mail. As part of the recording of the user's preferences, the user can also identify how often this letter or newsletter is sent in addition to how many different bargains should be identified.

In one aspect of the present invention there is provided a computer-implemented method of providing information regarding one or more items for sale to a user. The method comprises (a) comparing a user's stored profile data to data regarding a plurality of items; (b) identifying one or more items of interest to the user from the plurality of items according to the user's stored profile data; (c) organizing the identified one or more items of interest according to the user's stored profile data; (d) formatting a document representing the identified one or more items of interest as organized in step (c); and (e) providing the formatted document to the user.

In one aspect of the present invention there is provided a method of providing information regarding one or more items for sale to a user. The method comprises, under control of a client system, (a) displaying preference information to be selected by the user; and (b) upon completion of preference selection by the user, sending the selected preference information to a first server system. In addition, under control of the first server system, (c) receiving the selected preference information; (d) storing the selected preference information; (e) comparing the selected preference information to data representing one or more items available for purchase and determining one or more items of interest to the user; and (f) sending information regarding the identified one or more items of interest to the client system.

In one aspect of the present invention there is provided a server system for providing information to a user regarding one or more items for sale. The server system comprises a first data storage device storing item information on each item of a plurality of items for sale; a receiving component for receiving user purchase preference data from a client system; a second data storage device for storing the received user purchase preference data; a list generating component for comparing, for each respective user, the respective user purchase preference data to the stored item information to generate a list of one or more items for sale that may be of interest to the respective user; and a transmission component for transmitting the generated list to the respective user on the client system.

In one aspect of the present invention there is provided a computer program product comprising a computer-readable medium. Computer program instructions, on the computer-readable medium, when executed by a computer, direct the computer to perform a method of providing information to a user regarding one or more items for

sale. The method comprises: (a) comparing a user's stored profile data to data regarding a plurality of items; (b) identifying one or more items of interest to the user from the plurality of items according to the user's stored profile data; (c) organizing the identified one or more items of interest according to the user's stored profile data; (d) formatting a document representing the identified one or more items of interest as organized in step (c); and (e) providing the formatted document to the user.

In one aspect of the present invention there is provided a computer-implemented method of preparing and sending an electronic newsletter message prepared for each individual of a plurality of individuals. The method comprises: retrieving a profile associated with a first individual; identifying a newsletter template in the retrieved profile, said newsletter template having one or more variable fields each to be provided with data as a function of information in the retrieved profile; identifying an e-mail address in the retrieved profile; establishing a connection with a mail server associated with the identified e-mail address; sending the newsletter template to the mail server, and, if, as the newsletter template is being sent to the mail server, a variable field is encountered, providing data for the variable field as a function of information in the retrieved profile and sending the provided data in the place of the variable field; and continuing to send the newsletter template, wherein the newsletter template with its one or more variable fields each completed with provided data is sent to the identified e-mail address; and wherein no version of the newsletter template with one or more variable fields completed is stored other than on the mail server.

In one aspect of the present invention there is provided a system for preparing and sending an electronic newsletter message prepared for each individual of a plurality of individuals. The system comprises: means for retrieving a profile associated with a first individual; means for identifying a newsletter template in the retrieved profile, said newsletter template having one or more variable fields each to be provided with data as a function of information in the retrieved profile; means for identifying an e-mail address in the retrieved profile; means for establishing a connection with a mail server associated with the identified e-mail address; means for sending the newsletter template to the mail server, and, if, as the newsletter template is being sent to the mail server, a variable field is encountered, providing data for the variable field as a function of information in the retrieved profile and sending the provided data in the place of the variable field; and

means for continuing to send the newsletter template, wherein the newsletter template with its one or more variable fields each completed with provided data is sent to the identified e-mail address; and wherein no version of the newsletter template with one or more variable fields completed is stored on the system other than on the mail server.

5 In one aspect of the present invention there is provided a computer program product comprising a computer-readable medium. Computer program instructions on the computer-readable medium, when executed by a computer, direct the computer to perform a method of preparing and sending an electronic newsletter message prepared for each individual of a plurality of individuals. The method comprises: retrieving a profile associated with a first
10 individual; identifying a newsletter template in the retrieved profile, said newsletter template having one or more variable fields each to be provided with data as a function of information in the retrieved profile; identifying an e-mail address in the retrieved profile; establishing a connection with a mail server associated with the identified e-mail address; sending the newsletter template to the mail server, and, if, as the newsletter
15 template is being sent to the mail server, a variable field is encountered, providing data for the variable field as a function of information in the retrieved profile and sending the provided data in the place of the variable field; and continuing to send the newsletter template, wherein the newsletter template with its one or more variable fields each completed with provided data is sent to the identified e-mail address; and wherein no
20 version of the newsletter template with one or more variable fields completed is stored other than on the mail server.

BRIEF DESCRIPTION OF THE DRAWINGS

The present invention will now be described with reference to the drawings,
25 which are intended to illustrate and not to limit the invention, and in which:

FIG. 1 is a schematic diagram of a client system and a server connected via a computer network;

FIG. 2 is a screen display of a preliminary screen for entering user information;

FIG. 3 is a flowchart describing operation according to an aspect of the present
30 invention;

FIG. 4 is a screen display of an initial screen for entering user information;

FIGs. 5A-5C are additional screen displays for entering user information;

FIGs. 6, 6A and 6B are screen displays for entering a user's relative interest information;

FIG. 7 is a screen display for recording a user's interest in a particular category;

FIGs. 8, and 8A-8C are screen displays of an electronically transmitted

5 newsletter;

FIG. 9 is a screen display of an item "clicked-on" from the newsletter;

FIG. 10 is a screen display of the item of FIG. 9 as found at a vendor's web site;

FIG. 11 is a screen display of the electronically transmitted newsletter as shown in FIG. 8A where an offer has expired;

10 FIG. 12 is a screen display shown when the expired link has been accessed;

FIGs. 13, 13A and 13B show a flowchart describing the populating of a newsletter with data;

FIGs. 14, and 14A-14E show an HTML template that operates according to the process of FIG. 13;

15 FIG. 15 is an example of a newsletter created according to the process of FIG. 13; and

FIG. 16 and 16A-16E is the source for the newsletter shown in FIG. 15.

DETAILED DESCRIPTION

20 The present invention is directed to providing a potential buyer with information regarding products for sale, i.e., bargains, that match the potential buyer's interest. With the present invention, a potential buyer provides information regarding preferences and levels of interest in various types of merchandise. This information is stored in a database. Information regarding products for sale are also stored in a database. Of
25 course, the preferences data and the product data could be stored in either the same database or separate databases that may be linked together.

The potential buyer's preferences are compared to the products that are available. A list of products that correlate to the potential buyer's interest is then provided to the potential buyer.

30 In one example of the present invention, the potential buyer provides the preference information by completing a form that is presented to the potential buyer on a client system connected to a server system via a computer network, e.g., the Internet.

The information regarding merchandise that may be of interest to the potential buyer is transmitted from the server system to the client system also via the computer network for display on the client system.

As shown in FIG. 1, a client system 100 includes a display 101 connected to a processing unit 102 that includes memory and data storage and to which a keyboard 104 is connected. The client system 100 is connected to the computer network (Internet) 108 via a communications link 106. The communications link 106 can be any one of, for example, a modem connection via a telephone line, a cable modem connection via a cable system, a wireless connection or any other medium that is known.

A server system 109 is also connected to the computer network via a communications link 110. The communications link 110 may be any one of the connection types as described above relative to communications link 106, however, because there is typically more data flowing back and forth from the computer network 108 to the server system 109, a higher bandwidth connection such as T1 may be implemented. The server system 109 includes a server 112 connected to a database 118. Typically, the server 112 includes a processor and connected memory. Further, a display 114 and a keyboard 116 are connected to the server 112 to allow access by a web site operator.

In one example of the present invention, a user of the client system 100 will gain access to the computer network 108 and execute any one of a number of commercially available browser programs on the client system 100 to access the World Wide Web. These browser programs include Netscape Navigator and Microsoft Internet Explorer. In a preferred embodiment of the present invention, a user of the client system 100 would direct the browser to the web site www.bargaindog.com. This web site is operated by the assignee of this application.

The server 112 of the server system 109 then transmits a web page for display on the display 101 of the client system 100. For World Wide Web applications, the page is an HTML form. Of course, any other compliant application may be used.

When a user operating the client system 100 accesses, for example, the BargainDog.com web site, the user will be presented with an image of a home page as shown in FIG. 2. The home page 200 is an HTML form that includes a name field 202 for the user to enter his or her first name and an e-mail address field 204 in which

the user's e-mail address can be entered. By clicking on a "Join Now!" button 206, the user begins a registration process as will be discussed below in more detail.

As already discussed above, one aspect of the present invention allows a user to define his or her shopping preferences that can be used to identify products of interest to the user. A flowchart of the steps implemented by one example of the present invention is presented in FIG. 3.

In step 300, a user inputs preferences regarding different categories of goods. The user's profile is stored in a database in step 302. Separately from the user inputting preferences, product descriptions including, e.g., manufacturer, model number, brief description, vendor name/location/web-site and price, are received from vendors in step 304. Each product is classified and stored in the database at step 306. The storing and classification of the products is transparent to the user's interaction with the web site.

The classification may involve providing the product with codes that identify attributes that can be used when compared to the individual's stored criteria. For example, and not one that is intended to be limiting, the product may be classified as to which gender the product applies, e.g., men's pants, the area, say, golf pants and the extent of the discount, for example, 45% off list price.

In step 308, algorithm rules to define matches between a user's shopping preferences and the products are defined. This algorithm controls the determination of which product or products match a user's shopping preferences. The criteria for matching a user's profile to the data in the database is easily definable by one of ordinary skill in the art.

In step 310, each user's shopping preference profile is compared to the products in the database. The most relevant bargains or products of interest to each user are then generated in step 312. Subsequently, at step 314, an e-mail newsletter is formatted for each user with a description of the top bargains generated in step 312. The newsletter is formatted to place the most relevant products in a prominent location in the newsletter. Finally, in step 316, the newsletter describing the bargains identified as being of interest to the user is sent to each user via e-mail. The preparation and sending of the newsletter will be discussed in more detail below.

The interaction between a user on the client system 100 and the web site on the server system 109 is accomplished via the computer network 108 and through the use of

web pages provided by the web server and displayed on the display 101 of the client system 100. The user's information with respect to e-mail address and shopping preferences is provided to the server system 109 by having the user enter data in the blank fields and transmitting the HTML documents with the completed fields back to the server system 109.

The presentation of web pages by the server system 109 to the client system 100, in one example, is accomplished by the presentation of documents formatted with HyperText Mark up Language (HTML). Of course, any similar mechanism for allowing a user to submit information by completing a form can also be used.

The home page 200, as presented in FIG. 2, allows a user to register by submitting a first name and e-mail address through an action of clicking on the "Join Now!" button 206.

When the user has clicked on the button 206, a screen similar to a screen 400 as shown in FIG. 4 is presented. The screen 400 includes, in a Subscriber Information section, the first name field 202 and the e-mail address field 204 as already filled in by the user. In addition, the user is prompted to confirm the e-mail address entered in the e-mail address field 204 by retyping it in an address confirmation field 402. In order to preserve a user's privacy and to prevent another from changing a user's profile without authorization, the user is prompted to provide a password in password field 404 and then to confirm the password in a password confirmation field 406.

As shown in FIG. 5A, a next portion 500 of the subscriber information form is presented. As can be seen, the password field 404 and password confirmation field 406 are shown because the screen 500 represents the "scrolled down" portion from that which is shown in FIG. 4. Here the user chooses the format for the newsletter reporting the items of interest. The user may choose either HTML enhanced 502 or text only 504 formats.

The user then chooses how often to receive the newsletter regarding items of interest by completing the field 506. In one example of the present invention, if a user clicks on the down arrow component 508 of the field 506, the available frequencies for which the newsletter may be received will be presented in field 506a as shown in FIG. 5B. Thus, the user only has to highlight one of the four choices presented in field 506a to choose how often to receive the newsletter.

Returning to FIG. 5A, the user also may choose how long the newsletter will be, i.e., how many items of interest will be reported. This selection is accomplished by choosing from the options presented in field 510. By clicking on the down arrow 512, the user is presented with the choices as to the length of the newsletter in field 510a as shown in FIG. 5C.

Some amount of personal information also may be entered by the user. Specifically, the user's zip code is entered in zip code field 514, the user's birthday is entered in fields 516a, 516b and 516c while the user's gender is identified by choosing either field 518 or field 520.

Once the foregoing fields are completed, a user clicks on a "Submit and go to customization page" button 522 to proceed to a next stage of user preference registration.

The user will then next be presented with a screen 600, as shown in FIG. 6A, showing a matrix 601 with different categories of products listed in horizontal rows and intersecting vertical columns describing various levels of interest.

As can be seen, there is an "Apparel & Accessories" category 602, a "Career & Professional" category 604 and a "Cooking & Food" category 606 among the listed categories. There are five levels of interest, one of which may be chosen by the user for each category of goods. Specifically, as shown in the matrix 601 there is a "Not Interested" level 608, a "Somewhat Interested" level 610, an "Interested" level 612, a "Very Interested" level 614 and an "Extremely Interested" level 616. In addition, by checking a box in a "Further Customize?" column 618, a user may refine his or her level of interest in the respective category of goods. This will be discussed in more detail below.

As an example shown in the matrix 601 displayed in FIG. 6A, a user has chosen the "Interested" level 612 for the "Apparel & Accessories" category 602 and has chosen to further customize information regarding this category by checking the box in the "Further Customize?" column 618 associated therewith. Further, the user has indicated that he or she is somewhat interested in the "Career & Professional" category 604 but does not want to further customize any information with respect to this category because the box has not been checked. With respect to the "Cooking & Food" category 606, the user has indicated no interest in this category.

Once the user has chosen a level of interest for all of the categories, or accepted the default settings, as shown in FIG. 6B, by clicking on a "Submit and continue to customize" button 620, the next level of customization is started.

The user is then presented with a screen 700, as shown in FIG. 7, where further information for those categories as identified in FIGs. 6A and 6B may be provided. As a representative example, the "Apparel & Accessories" category 602 is presented in a "Customized Apparel & Accessories" area 702. As shown, this particular example of customization includes refining the "Apparel & Accessories" category to include men 702a, women 702b and baby and toddler girls 702c. Similarly, a "Customize Career & Professional" area 704 is presented where more detailed information includes the choice of general workplace information 704a. Those other categories identified in FIGs. 6A and 6B as requiring further customization would be similarly refined.

Depending on the frequency chosen by the user, a list of bargains of interest to the user is generated and electronically transmitted to the user as a newsletter. The process of preparing the newsletter will be discussed in more detail.

The list of bargains of interest for the user is sent as a newsletter via e-mail to the user. Advantageously, the present invention is capable of sending a large number of these individually prepared newsletters without needing to use valuable resources to store the newsletter prior to sending. This allows a system operating the present invention to avoid the necessity, and therefore the costs, of storage devices such as hard disk drives and computer processing resources.

The present invention operates to prepare the newsletter generally according to the flowchart 1300 as shown in FIG. 13. As shown, in step 1302 the previously stored profile of an individual is retrieved. From that profile, step 1304, a newsletter format for the individual is retrieved. In one example of the present invention, two types of newsletter format are available: HTML format and plain-text. At step 1306 it is determined whether the newsletter format is plain-text. If the format is plain-text then at step 1308 the plain-text template is retrieved. If, on the other hand, the newsletter format for the individual is not plain text then at step 1310 the HTML template is retrieved. Subsequent to the retrieval of either the HTML or plain-text template, at step 1312, the e-mail address of the individual is retrieved from the profile. At step 1314, a connection is established with the e-mail server for the identified e-mail address of the individual.

This connection is established through conventional mechanisms that are not considered an aspect of the present invention. At step 1316, the system begins sending the template to the e-mail server. At step 1318, a point in the template is reached causing the suspension of the sending of the template to the e-mail server.

5 Subsequent to the suspension, at step 1320, a search of the database based on the retrieved individual's profile is begun to identify those items in the database that will be of interest to the individual. Once the items are identified, at step 1322 the system resumes sending the remainder of the template to the e-mail server. As will be discussed in more detail below, the template comprises variable fields that are filled with
10 information identified by the search conducted in step 1320.

At step 1324, a determination is made as to whether a variable field in the template has been reached or the end of the template has been reached. If a variable field has been reached then, at step 1326, the field is filled with the appropriate data from the search conducted at step 1320 and sent to the e-mail server, step 1327. At step 1328 a
15 determination is made as to whether or not the end of the template has been reached. If the end of the template has not been reached then at step 1330 the system continues to send the template and control returns back to step 1324. If the end of the template has been reached either at step 1328 or at step 1324 then control passes to step 1332 where the profile of the next individual is retrieved with the process returning to step 1304 to
20 begin the preparation of the transmission of a next newsletter to a next individual.

The present system populates the e-mail newsletter with information for the user while the newsletter is being sent. This preparation occurs "on the fly" and allows the present invention to customize the newsletter for the individual according to his or her profile without having to first generate the newsletter as a document, store the document,
25 connect with the individual's e-mail server, send the newsletter, delete it and then repeat these steps for each individual. The present invention does not dedicate storage for holding the newsletter prior to it being sent.

As shown in FIGs. 14 and 14A - 14E, an example of an HTML template includes code 1400 for creating an HTML formatted newsletter that is sent as an e-mail message.
30 As shown at element 1402 the template identifies the sender of the newsletter and at element 1404 the addressee field is a variable that is retrieved from the database. The

lines of code between lines 1406 and 1408 in FIG. 14B generate the ranked items of interest for the individual according to his or her criteria as defined in the stored profile.

Once the bargains for the particular user have been identified and prioritized, the subsequent lines of HTML code in the HTML template format and present the information in the newsletter. It should be noted that the text template operates similarly to the HTML template. An example of the template that prepares a plain-text newsletter is presented in Appendix A.

In one example of formatting the newsletter, the top three items of interest are presented and displayed to the individual across the top of the newsletter. As described below, each of these items includes a small graphic image representing the item in addition to a relatively detailed description. The remaining items are presented by category without, however, a graphic image being provided.

FIG. 15 represents an example of an HTML formatted newsletter received by a user of the present invention. As can be seen, hyperlinks 1502, 1504 and 1506 represent the top three items identified for this particular user on this particular date. Each of these items includes a small graphic image and a written description of the item. A hyperlink is an element in an electronic document that links to another place in the same document or to an entirely different document. Typically, a user clicks on the hyperlink to follow the link. Typically the hyperlink is an implementation of a Uniform Resource Locator (URL). A URL is a standard way that has been developed to specify the location of a resource that is available electronically. A URL is most commonly used when using a World Wide Web (WWW) client to link to WWW pages. The first part of the URL identifies the protocol that is being used. Typically, in WWW applications, the HyperText Transfer Protocol (HTTP) is commonly used. The remaining hyperlinks 1508, 1510, 1512 and 1514 are presented under their respective category heading but do not include a graphic representation of the item as compared to the formatting in which hyperlinks 1502-1506 are presented. The operation and functionality of these HTML formatted newsletters has been discussed above.

The HTML source for the HTML newsletter as shown in FIG. 15 is presented in FIGs. 16 and 16A-16D. The source as presented in FIGs. 16 and 16A-16D resulted from the operation of the previously described HTML template when run for this particular user on the particular date identified.

As shown in FIG. 16A, portion 1602 is a URL that represents the graphic image portion of hyperlink 1502. Similarly, portions 1604 and 1606 are URLs that refer to the graphic portions of hyperlinks 1504 and 1506, respectively. Further, portions 1608, 1610 and 1612 represent the display of the respective prices for hyperlinks 1502, 1504 and 1506. Portions 1614, 1616 and 1618 represent the formatted information for the portions 1502, 1504 and 1506, respectively.

The remaining items of interest are also identified in the HTML source for the newsletter. One example is the portion 1620 which corresponds to hyperlink 1508 and its description. One of ordinary skill in the art of HTML coding will understand how the remainder of the HTML newsletter is formatted by reviewing FIGs. 16A - 16D in comparison to the newsletter represented in FIG. 15.

The interaction of the recipient with an example newsletter listing items of interest will be discussed with reference to FIGs. 8A-8C. This newsletter is sent via e-mail to the e-mail address that the user entered in e-mail address field 204 upon submitting his or her preferences. The newsletter includes descriptive hyperlinks to the three items which are identified by the system, step 312, as being of the most interest to this particular user.

As an example shown in Fig. 8A, there is a first hyperlink 802 describing address labels and a dispenser, a second hyperlink 804 to a book on family medicine and a third hyperlink 806 to a free chocolate heart with card purchase. Additional items of interest to the user are presented by category. The first category is described by the "Apparel & Accessories" label 808 and includes a fourth hyperlink 810 to 14-Karat Gold Earrings. FIG. 8B shows a display 800b that is the next screen down from the display 800a as shown in FIG. 8A. As can be seen in FIG. 8B, additional categories and hyperlinks to items within the categories are also displayed.

Returning to FIG. 8A, one example of the present invention provides pictures of the top three items in the hyperlinks 802, 804 and 806, whereas the remaining hyperlinks are only textual descriptions. It should be noted that the hyperlink is accessed by the user clicking on either the graphic image portion or the underlined text. As is known, typically, when the user positions the arrow cursor over a hyperlink, the cursor turns into a hand image indicating a WWW page or document may be accessed.

When a user receives the newsletter and has an interest in one or more of the items described therein, the user may obtain additional information by clicking on the particular hyperlink. As an example, if the user were to click on the first hyperlink 802, he or she would be directed to additional information about this item in the form of another screen 900, i.e., an HTML document, as shown in FIG. 9. As can be seen, additional information regarding the address labels and dispenser is presented. Another hyperlink 902 is displayed in the screen 900. This information resides on the server system 109 although, in an alternate example, the information may be residing on a different server. Screen 900 includes another hyperlink 902 directed to the vendor of, in this case, the address labels and dispenser. When the user clicks on the hyperlink 902, he or she is then directed to the web site of that particular vendor, as shown in FIG. 10.

At this point, the user has been directed to the vendor of the item of interest. The user may then proceed to order the item by transacting with that vendor.

It is noted that often items are only available for certain prices for a set period of time. After the set period of time, the offer "expires." The present invention provides for notification of this expiration via the already-delivered newsletter.

Screen display 800a' as shown in FIG. 11, represents a later version of the screen display of the newsletter previously discussed in FIG. 8A. As can be seen, one of the items has expired, represented by a link 806'. As discussed above, a hyperlink is used to point to the URL of the information displayed for hyperlink 806. As a result, the base reference, i.e., the content of the document or web page that the hyperlink points to can change.

The hyperlink (URL) embedded in the newsletter does not change, i.e., it is pointing to the same location, however, the content at that location has changed. Consequently, at a time subsequent to the first time the recipient views the newsletter he or she will see different information. Specifically, the information at the URL target location can be updated and provided to the recipient without having to send another newsletter. As a result, in the particular example shown in Fig. 11, a user who views the newsletter some time after it has been initially received will be notified that the item is no longer available at that price.

If a user clicks on the "expired" link, he or she may be directed to an explanatory screen 1200, as shown in FIG. 12. A section 1202 then explains that the selected items is no longer available.

The present invention provides a system and method that allows a user to define the types of products that the user may be interested in purchasing, the relative level of interest in each category and the types of products. This information is stored and regularly compared to information regarding products that are available. By comparing the user's preferences to the products that are available, a more targeted list of products may be provided to the individual. With this system, the individual will receive information regarding products that he or she is more likely to be interested in and, therefore, more likely to purchase. Advantageously, the user is not barraged with information regarding products in which he or she has very little or no interest. Advantageously for a seller, those potential buyers who have already expressed an interest in a particular product will be receiving information about the products and the advertising or information about the products is targeted to buyers who are more likely to make a purchase.

Of course, the profile and database containing the product information may be resident on a system separate from, but linked to, the server system 109. Specifically, the mail server and the database used to prepare and send the newsletter may be a machine separate from a web server that services the web site. The newsletter generating system, in one example, is a dual-processor machine with two 700 MHz Pentium III processors and 512 megabytes of RAM. The system uses the Red Hat Linux operating systems and the MySQL database. Of course, these particular components could be substituted with known equivalents.

The present invention scales up very efficiently for when large numbers of newsletters must be prepared and delivered. In operation, the present invention achieves a throughput rate of approximately 150,000 e-mail newsletters delivered each hour on a single double-processor machine. This compares very favorably with a maximum throughput of not more than 10,000 e-mails on the same single double-processor system using the conventional prepare/store/send/delete methodology.

Further, additional information may be provided to the recipient of the newsletter by modifying the content of target of one of the links embedded in the newsletter. In this

manner, the individual is updated without the necessity of sending an additional newsletter. Advantageously, this aspect of the present invention overcomes the disadvantages of a "static" e-mail message that cannot be modified without sending a new e-mail message some time after the first e-mail message.

5 While one example of the present invention involves a preparation of a newsletter describing items for sale that may be of interest to an individual, it is certainly clear to one of ordinary skill in the art that the present invention is not limited to the subject matter of items for sale but can provide any type of mass individualized message preparation.

10 Unless specifically stated herein, it should not be assumed that any described particular aspect or element of the system is essential. Further, variations, modifications, and other implementations of what is described herein will occur to those of ordinary skill in the art without departing from the spirit and the scope of the invention as claimed. In addition, in view of the foregoing description, one of ordinary skill in the art
15 will understand that equivalent structures may be available to achieve the same results as those described above. Accordingly, the spirit and scope of the following claims should not be limited to the descriptions of the examples described herein.

What is claimed is:

CLAIMS

1. A computer-implemented method of providing information regarding one or more items for sale to a user, the method comprising:

(a) comparing a user's stored profile data to data regarding a plurality of items;

(b) identifying one or more items of interest to the user from the plurality of items according to the user's stored profile data;

(c) organizing the identified one or more items of interest according to the user's stored profile data;

(d) formatting a document representing the identified one or more items of interest as organized in step (c); and

(e) providing the formatted document to the user.

2. The computer-implemented method of claim 1, wherein step (d) comprises:

providing one or more hyperlinks directing the user to additional information for a respective one of the one or more identified items of interest.

3. The computer-implemented method of claim 1, wherein step (e) comprises sending the formatted document to the user through a computer network.

4. The computer-implemented method of claim 1, wherein step (e) comprises sending the formatted document as an e-mail message.

5. The computer-implemented method of claim 4, further comprising: sending the e-mail message via a computer network.

6. The computer-implemented method of claim 1, wherein step (c) comprises:

ordering the identified one or more items of interest in an order from highest interest to lowest interest as a function of the user's stored profile data.

7. The computer-implemented method of claim 6, wherein step (d) comprises:
placing a predetermined number of the one or more items with the highest interest in a top portion of the formatted document.

8. The computer-implemented method of claim 7, wherein step (d) further comprises:
grouping the one or more items not in the predetermined number of items placed in the top portion of the formatted document by categories; and
ordering the categories from highest interest to lowest interest as a function of the user's stored profile data.

9. The computer-implemented method of claim 7, wherein step (d) comprises:
providing a hyperlink and image for each respective item of the predetermined number of items placed in the top portion of the formatted document.

10. The computer-implemented method of claim 9, wherein the formatted document is an HTML document.

11. The computer-implemented method of claim 10, wherein the predetermined number is not greater than three.

12. A method of providing information regarding one or more items for sale to a user, the method comprising:

under control of a client system:

- (a) displaying preference information to be selected by the user; and
- (b) upon completion of preference selection by the user, sending the

selected preference information to a first server system;

under control of the first server system:

- (c) receiving the selected preference information;

- (d) storing the selected preference information;
- (e) comparing the selected preference information to data representing one or more items available for purchase and determining one or more items of interest to the user; and
- (f) sending information regarding the identified one or more items of interest to the client system.

13. The method of claim 12, wherein the client system and the server system communicate with one another via a computer network.

14. The method of claim 12, wherein step (f) comprises:
under control of the first server system:

(g) formatting a document to include information regarding the determined one or more items of interest and sending the formatted document to the client system.

15. The method of claim 14, wherein the formatted document comprises a hyperlink for each respective one or more items of interest.

16. The method of claim 15, wherein each hyperlink is directed to a second server system different from the first server system.

17. The method of claim 16, wherein each hyperlink is directed to information on the first server system.

18. The method of claim 12, further comprising:
under control of the first server system:

(g) ordering the determined one or more items of interest in an order from highest interest to lowest interest as a function of the user's stored selected preference information.

19. The method of claim 18, wherein step (f) comprises:

under control of the first server system:

(h) formatting a document to include information regarding the determined one or more items of interest in the order established in step (g) and sending the formatted document to the client system.

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20. The method of claim 19, wherein step (h) comprises:

(i) inserting a hyperlink for each respective one or more items of interest in the formatted document,

wherein each hyperlink points to additional information about the respective one or more items of interest.

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21. The method of claim 20, wherein step (h) further comprises:

(j) placing the hyperlink for a predetermined number of the one or more items of interest in a top portion of the formatted document.

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22. The method of claim 21, wherein step (j) comprises:

(k) providing a graphic image in the respective hyperlink of the predetermined number of one or more items of interest placed in the top portion of the formatted document.

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23. A server system for providing information to a user regarding one or more items for sale, the server system comprising:

a first data storage device storing item information on each item of a plurality of items for sale;

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a receiving component for receiving user purchase preference data from a client system;

a second data storage device for storing the received user purchase preference data;

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a list generating component for comparing, for each respective user, the respective user purchase preference data to the stored item information to generate a list of one or more items for sale that may be of interest to the respective user; and

a transmission component for transmitting the generated list to the respective user on the client system.

24. The server system as recited in claim 23, further comprising:

a formatting component to order the list of one or more items and to format the ordered list in a document.

25. The server system as recited in claim 24, wherein the transmission component transmits the document as an e-mail sent via a computer network.

26. The server system as recited in claim 25, wherein the document is an HTML document.

27. The server system as recited in claim 24, wherein the formatting component comprises:

a linking component for adding a hyperlink to the document for each respective item in the list.

28. A computer program product comprising:

a computer-readable medium;
computer program instructions, wherein the computer program instructions, when executed by a computer, direct the computer to perform a method of providing information to a user regarding one or more items for sale, the method comprising:

(a) comparing a user's stored profile data to data regarding a plurality of items;

(b) identifying one or more items of interest to the user from the plurality of items according to the user's stored profile data;

(c) organizing the identified one or more items of interest according to the user's stored profile data;

(d) formatting a document representing the identified one or more items of interest as organized in step (c); and

(e) providing the formatted document to the user.

29. The computer program product of claim 28, wherein step (e) of the method comprises sending the formatted document to the user through a computer
5 network.

30. The computer program product of claim 28, wherein step (d) of the method comprises:
providing one or more hyperlinks directing the user to additional
10 information for a respective one of the one or more identified items of interest.

31. The computer program product of claim 28, wherein step (e) of the method comprises:
ordering the identified one or more items of interest in an order from
15 highest interest to lowest interest as a function of the user's stored profile data.

32. The computer program product of claim 31, wherein step (d) of the method comprises:
placing a predetermined number of the one or more items with the highest
20 interest in a top portion of the formatted document.

33. The computer program product of claim 32, wherein step (d) of the method comprises:
providing a hyperlink and image for each respective item of the
25 predetermined number of items placed in the top portion of the formatted document.

34. A computer-implemented method of preparing and sending an electronic newsletter message prepared for each individual of a plurality of individuals, the method
30 comprising:
retrieving a profile associated with a first individual;

identifying a newsletter template in the retrieved profile, said newsletter template having one or more variable fields each to be provided with data as a function of information in the retrieved profile;

identifying an e-mail address in the retrieved profile;

5 establishing a connection with a mail server associated with the identified e-mail address;

 sending the newsletter template to the mail server, and, if, as the newsletter template is being sent to the mail server, a variable field is encountered, providing data for the variable field as a function of information in
10 the retrieved profile and sending the provided data in the place of the variable field; and

 continuing to send the newsletter template,

 wherein the newsletter template with its one or more variable fields each completed with provided data is sent to the identified e-mail address; and

15 wherein no version of the newsletter template with one or more variable fields completed is stored other than on the mail server.

35. The computer-implemented method of claim 34, wherein the newsletter template is an HTML document.

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36. The computer-implemented method of claim 34, wherein the newsletter template is a text document.

37. The computer-implemented method of claim 34, wherein at least one of
25 the variable fields in the newsletter template is provided with data that is a Uniform Resource Locator (URL) link.

38. A system for preparing and sending an electronic newsletter message prepared for each individual of a plurality of individuals, the system comprising:

30 means for retrieving a profile associated with a first individual;

means for identifying a newsletter template in the retrieved profile, said newsletter template having one or more variable fields each to be provided with data as a function of information in the retrieved profile;

means for identifying an e-mail address in the retrieved profile;

5 means for establishing a connection with a mail server associated with the identified e-mail address;

means for sending the newsletter template to the mail server, and, if, as the newsletter template is being sent to the mail server, a variable field is encountered, providing data for the variable field as a function of information in
10 the retrieved profile and sending the provided data in the place of the variable field; and

means for continuing to send the newsletter template,

wherein the newsletter template with its one or more variable fields each completed with provided data is sent to the identified e-mail address; and

15 wherein no version of the newsletter template with one or more variable fields completed is stored on the system other than on the mail server.

39. The system of claim 38, wherein the newsletter template is an HTML document.
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40. The system of claim 38, wherein the newsletter template is a text document.

41. The system of claim 38, wherein at least one of the variable fields in the
25 newsletter template is provided with data that is a Uniform Resource Locator (URL) link.

42. A computer program product comprising:
a computer-readable medium;

30 computer program instructions on the computer-readable medium, wherein the computer program instructions, when executed by a computer, direct the computer to

perform a method of preparing and sending an electronic newsletter message prepared for each individual of a plurality of individuals, the method comprising:

retrieving a profile associated with a first individual;

5 identifying a newsletter template in the retrieved profile, said newsletter template having one or more variable fields each to be provided with data as a function of information in the retrieved profile;

identifying an e-mail address in the retrieved profile;

establishing a connection with a mail server associated with the identified e-mail address;

10 sending the newsletter template to the mail server, and, if, as the newsletter template is being sent to the mail server, a variable field is encountered, providing data for the variable field as a function of information in the retrieved profile and sending the provided data in the place of the variable field; and

15 continuing to send the newsletter template, wherein the newsletter template with its one or more variable fields each completed with provided data is sent to the identified e-mail address; and wherein no version of the newsletter template with one or more variable fields completed is stored other than on the mail server.

20 43. The computer program product of claim 42, wherein the newsletter template is an HTML document.

25 44. The computer program product of claim 42, wherein the newsletter template is a text document.

45. The computer program product of claim 42, wherein at least one of the variable fields in the newsletter template is provided with data that is a Uniform Resource Locator (URL) link.

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ABSTRACT

A system for providing an individual user with customized information is described. The user provides the system with the user's preferences. The system compares each user's preferences to a database to provide the user with notification via an e-mail newsletter sent over a computer network. The newsletter is individually prepared for each user by dynamically populating the newsletter with the necessary information as the newsletter is being sent to the individual. Thus, there is no need to first prepare the newsletter, store it, send it, and delete it. This approach reduces the need for more equipment as the number of needed newsletters increases.

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Appendix A

TEXT TEMPLATE

```
5 <|suspend_auto_output>
  <|load_module path=/s/ehhtml/tags.so>
  <|load_module path=/s/ehhtml/basic.so>
  <|load_module path=/s/ehhtml/control.so>
  <|load_module path=/s/ehhtml/function.so>
  <|load_module path=/s/ehhtml/web.so>
10 <|load_module path=/s/ehhtml/dbmysql.so>
  <|load_module path=/s/ehhtml/bdogmisc.so>
  <|load_module path=/s/ehhtml/sem.so>
  <|load_module path=/s/ehhtml/date.so>
  <|sem_op key=qmdb op=-1>
15 <|if cond=<|not_equal left=<|dbopen name=bargains host=192.168.0.100>
    right=>>><|template_defer><|/if>
  <|resume_auto_output>From: BargainDog <comments@bargaindog.com>
  To: <|var name=template_key>
  Subject: Bargains from BargainDog!
20 <|suspend_auto_output>

  <!-- Basic User Info -->
  <|dbselect query="select id, first_name, len,
25     DATE_FORMAT(DATE_SUB('\<|var name=day>\', INTERVAL <|var
name=interval>
DAY), '\%Y%m%d\'),
        DATE_FORMAT('\<|var name=day>\', '\%M %d, %Y')
        from users where email =
        <|dbliteral value=<|var name=template_key>>>">
30 <|var name=uid value=<|dbfield num=1>>
  <|var name=first_name value=<|dbfield num=2>>
  <|var name=len value=<|dbfield num=3>>
  <|var name=startday value=<|dbfield num=4>>
35 <|var name=nice_date value=<|dbfield num=5>>
  <|/dbselect>

  <!-- The Query -->
40 <|var name=query value='select bargain_cat.id,
        substring(min(concat((bargains.cat_id <> bargain_cat.cat),
        bargain_cat.cat)), 2),
        min((bargains.cat_id <> bargain_cat.cat)) as pri,
45        count(*) as cnt, bargain_cat.quality

        from bargain_cat straight_join bargain_cat straight_join user_cat
        where
        bargain_cat.id = bargain_cat.id
        and bargain_cat.cat = user_cat.cat
        and user_cat.id = <|var name=uid>
        and bargain_cat.start_date >= <|var name=startday>
        and bargain_cat.start_date < <|var name=day>
        and bargain_cat.id > 0
55        and ((bargain_cat.bits1 = 0) or
        (user_cat.bits1 & bargain_cat.bits1))
```

```

        and ((bargain_cat.bits2 = 0) or
            (user_cat.bits2 & bargain_cat.bits2))
        and ((bargain_cat.bits3 = 0) or
            (user_cat.bits3 & bargain_cat.bits3))
5
        group by bargain_cat.id
        order by bargains.quality DESC, cnt DESC, bargains.id DESC">

</resume_auto_output></if_else
10 cond=<!=equal left=<|var name=first_name>
right=">>Your</if_else><|possess_word word=<|var name=first_name>></if_else>
BargainDog Newsletter - <|var name=nice_date>

-----
15 Top Bargains
-----

</suspend_auto_output>

20 <|var name=list value=">
<|var name=c value=0>

<|dbselect var=r query='<|var name=qry> limit <|var name=len>'>

25 </if_else cond=<!=less left=<|var name=c> right=3>>

<|var name=c value=<|plus <|var name=c> 1>>
<|dbselect query='select bargains.name, short_txt, merchants.name,
IF(strike<>\0.00\,
30             concat(\(Originally $\' , strike, '\)\),
                \'),
IF(price<>\0.00\, concat('\$\' , price), '\Free\'),
                bargains.id
from bargains, merchants where
35     bargains.id = <|dbfield num=1>
and bargains.mer_id = merchants.id'
></resume_auto_output><|dbfield num=1> - <|dbfield num=5> <|dbfield num=4>
<|dbfield num=2>
Merchant: <|dbfield num=3>
40 http://www.bargaindog.com/prod/?id=<|dbfield num=6>&uid=<|var name=uid>

</suspend_auto_output></dbselect>

</if_else>

45 <|dbselect query='select bargains.name, short_txt, merchants.name,
IF(strike<>\0.00\,
                concat(\(Originally $\' , strike, '\)\),
                \'),
50 IF(price<>\0.00\, concat('\$\' , price), '\Free\'),
                bargains.id, <|dbfield num=2>
from bargains, merchants where
    bargains.id = <|dbfield num=1>
and bargains.mer_id = merchants.id'>

55 </if cond=<!=equal left=" right=<|var name=cat<|dbfield num=7>>>>

<|dbselect query='select name_full, id from categories where
```

id = <ldbfield num=7>>

<!--var name=cat--><ldbfield num=2> value='

5 <!--html_decode string--><ldbfield num=1>'>

>

10 <!--var name=list value--><!--var name=list--><!--var name=cat--><ldbfield num=2>>>

<!--dbselect>

<!--if>

<!--var name=cat--><ldbfield num=7> value='<!--var name=cat--><ldbfield num=7>>

15 <ldbfield num=1> - <ldbfield num=5> <ldbfield num=4>

<ldbfield num=2>

Merchant: <ldbfield num=3>

<http://www.bargaindog.com/prod/?id=<ldbfield num=6>&uid=<!--var name=uid-->>

>

20 <!--dbselect>

<!--if_else>

<!--dbselect>

25 <!--if cond=<!--equal left--><!--var name=r--> right=0--><!--template_fail--><!--if>

<!--resume_auto_output--><!--dbselect query='select id, copy from
newsads where run_date = <!--var name=day--> and format = 0'

30 >

ADVERTISEMENT:

<!--var name=ad value--><ldbfield num=2>>><!--call name=ad-->

35 <!--dbselect--><!--sem_op key=qmdb op=1--><!--dbclose--><!--if cond=<!--greater left--><!--var
name=r--> right=3-->>

More Bargains From BargainDog:

<!--call name=list--><!--if>

40

Subscription Information

You are subscribed to this newsletter as "<!--var name=template_key-->".

45

To change your preferences, customize your category selections,
or unsubscribe from the newsletter, please go to

<http://www.bargaindog.com/members/>

50

Disclaimer

55

This e-mail is meant for informational purposes only, and is not a guarantee
that the products listed may be purchased at the above prices. Bargain
Dog, its affiliated and non-affiliated merchants make no promises or
guarantees about the price, quality or availability of products it lists in

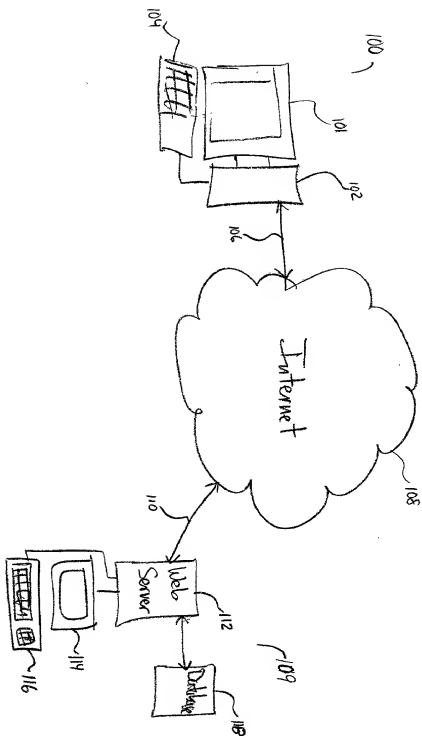


Fig. 1

3 Ratebaldog: The Best Bargains From The Best Sites - Microsoft Internet Explorer

http://www.bargaindog.com/

BargainDog

The Best Bargains From The Best Sites

Browse: All Bargains

Go

How do you like our new design? Tell Us!

Home | Register | Search | About Us | Members | Miscellane

Welcome to BargainDog!

BargainDog sends its members a free personalized e-mail newsletter keeping them updated on the best sales at the best shopping web sites.

Tell us what types of products interest you - everything from apparel to software. We'll then sniff out the best deals in those categories from hundreds of our affiliated shopping web sites and notify you whenever you want.

Register now and join the hundreds of thousands in the BargainDog community who will never miss out on a bargain again!

[Learn more about BargainDog.](#)

Top Bargains

Here are some of the best of BargainDog's most recent finds:



Register for BargainDog

Your First Name

Your Email Address

Sign Now!



200

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00505577.000100

Fig. 2

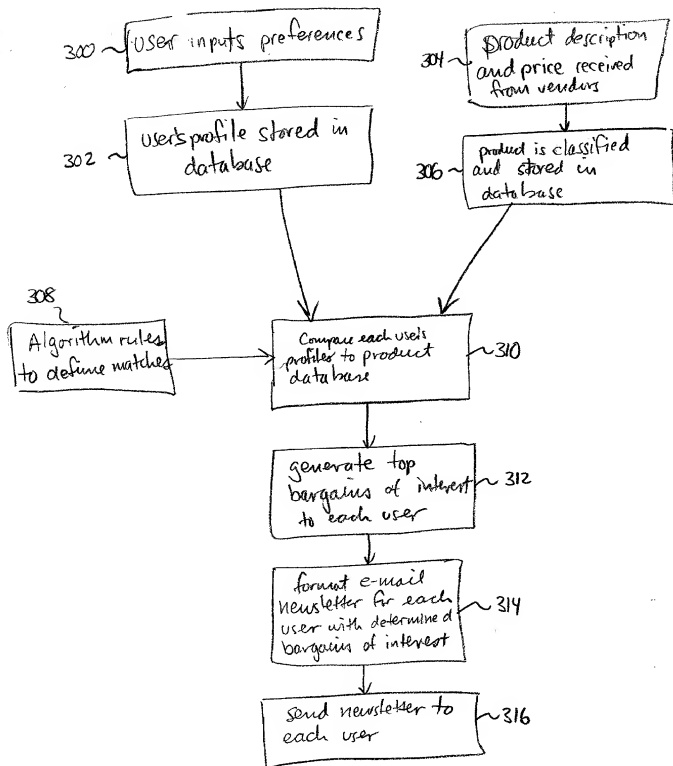


FIG. 3

BargainDog: The Best Bargains From The Best Sites - Microsoft Internet Explorer

http://www.bargaindog.com/members/edit/

BargainDog

Home | Register | Sign Out | About Us | Press | FAQs

Browse: All Bargains

Go!

Members Merchants



Welcome

Thank you for joining BargainDog. We are excited to have you on board. Please take a moment to review our Terms of Service and Privacy Policy.

BargainDog will never sell your e-mail address to a third party.

Set Edit/Profile Info
BargainDog
Profile Info
Check Out
BargainDog

This page allows you to change your BargainDog newsletter preferences. After you confirm the information, press the submit button at the bottom of the page. You will then be able to edit your bargain preferences. To cancel your Bargain Dog newsletter, [click here to unsubscribe](#).

Member Services

Subscriber Information:

Your First Name:

Paul

Your E-mail Address:

jsorkin@wvslaw.com

Confirm E-mail Address:

jsorkin@wvslaw.com

e.g. screenname@sol.com or 75155.11@compuserve.com.

Please make sure it is not blocked as your newsletter will be sent to this e-mail address.

Your BargainDog Password:

Confirm Password:

20080511.000400

F6.4

<http://www.bargaindog.com/members/eddy/>

Your privacy: Please
view our privacy policy
before you use our site.

Newsletter Preferences:

In what format would you like your BargainDog newsletter? (I don't know. Help me decide.)

☒ HTML Enhanced (Outlook, Hotmail and other web-based e-mails)

☐ Text Only (AOL, Eudora, Juno and other text-based e-mails)

How often would you like to receive your BargainDog newsletter?

☐ Daily

S06

S08

How long would you like each of your newsletters?

☐ Average (about 20 bargains)

S10

S12

Tell us about yourself:

BargainDog plans to add discounts at local stores, birthday promotions and specials for men and women. Sign up now so you don't miss out!

Your Zip Code:

02210

S14

Your Birthday:

January

1

1980

S16

Your Gender:

☒ Male

☐ Female

S18

S20

S22

S00

09585511.000400

Fig. 5A

http://www.bargaindog.com/members/ed/

Newsletter Preferences:

In what format would you like your BargainDog newsletter? (I don't know. Help me decide.)

- ☒ HTML Enhanced (Outlook, Hotmail and other web-based e-mails)
☐ Text Only (AOL, Eudora, Jumo and other text-based e-mails)

How often would you like to receive your BargainDog newsletter?

- ☒ Daily
☐ Twice a Week
☐ Weekly
☐ Every other Week
☐ (gains)

Tell us about yourself:

BargainDog plans to add discounts at local stores, birthday promotions and specials for men and women. Sign up now so you don't miss out!

Your Zip Code:

02210

Your Birthday:

January

1

1960

Your Gender:

☒ Male ☐ Female

0928511.000100

Flg. 5B

BargainDog: The Best Bargains From The Best Sites - Microsoft Internet Explorer

<http://www.bargaindog.com/members/edit/membe/>

BargainDog will never sell your e-mail address. You're in control.

See BargainDog in the news. Click about, sign up or unsubscribe.

BargainDog respects your privacy. Please see our privacy policy at [http://www.bargaindog.com/privacy.html](#)

Your Shopping Preferences:

Please tell us how interested you are in receiving bargains in the following categories. We use your choices to generate a newsletter that is personalized just for you!

Category	Not Interested	Slightly Interested	Interested	Very Interested	3rd Party	3rd Party
Apparel & Accessories	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Books & Magazines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Careers & Professional	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Computing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cooking & Food	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Electronics & Gadgets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Health & Beauty	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hobbies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Home & Garden	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Movies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Music	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Parenting & Children	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

00565544 000400

Fig. 6A

BurginDog: The Best Karyans From The Best Sites - Microsoft Internet Explorer

<http://www.burgindog.com/members/eddi/moth/>

Career & Vocational

Computing

Cooking & Food

Electronics & Gadgets

Health & Beauty

Hobbies

Home & Garden

Movies

Music

Parenting & Children

Pets

Sports & Leisure

Toys & Video Games

Career & Professional	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422
Computing	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

<http://www.bargaindog.com/members/cost/>

Welcome

Thank you for joining BargainDog. We're excited to have you on board. We'll be sending you our newsletter and special offers. You'll also be able to track the latest bargains on our site.

BargainDog will never sell your e-mail address.

See BargainDog in the news!

Check out the latest bargains on our site.

Microsoft Internet Explorer

BargainDog is a free service. We don't charge anything. We're just here to help you find the best bargains on the web.

Member Services

Please continue customizing your BargainDog newsletter. Any changes you have made up until this point have been saved, so you may stop customizing at any time.

Customize Apparel & Accessories ~ 702

Send me Apparel & Accessories bargains for the following people:

- ☒ Men ~702a
- ☒ Women ~702b
- ☐ Boys
- ☐ Girls
- ☐ Baby & Toddler Boys
- ☒ Baby & Toddler Girls ~702c
- ☐ Big & Tall Men
- ☐ Plus-size Women

Customize Career & Professional ~ 704

Send me Career & Professional bargains for:

- ☐ Business Travel
- ☐ Home Office
- ☒ General Workplace ~704a

700

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Fig. 7

Paul's BargainDog Newsletter - February 18, 2000



806



28

69-69 (Free)

\$39.95 \$14.99

426

300 Address

Medical Advisor

Chocolate Heart

Lebens und
Dispenser

The Court
Guid

Purchases

This set of 300 Address
Labels and Postcards

Save 62% on the most comprehensive family

Chocolate is delicious no matter the shape or the

can now be yours for
FREE from iStock.com!

medical reference of fit
aid and health care

occasion - now get this
yummy chocolate treat

Just pay for shipping!
At no other time.

Information over com-

FREE with the purchase
of any card at

colloidal

Sparky.com
At Sparky.com

More Bargains From BargainDoc

Apparel & Accessories

1

14-Karat Gold Earrings - Teddy Bears \$29.97 \$12.79

These beautiful 14-karat gold earrings in a variety of styles including the new cuff, huggie, hoop and stud are now up to 60% off!

At saleoutlet.com

810

808

800

Figure 1 is a detailed cross-sectional diagram of a 1000 Å thick SiO₂ layer on a substrate. The diagram shows a layered structure with labels A through H. A legend on the right identifies the layers: A (SiO₂), B (SiO₂), C (SiO₂), D (SiO₂), E (SiO₂), F (SiO₂), G (SiO₂), and H (SiO₂). The diagram illustrates the growth of a SiO₂ layer on a substrate, with the legend indicating the different layers and their thicknesses.

Parenting & Children

<u>Fork & Spoon Feeding Set by Gerber</u>	\$4.95 \$0.97
------------------------------------------------------	----------------------

feeding skills. Now 50% off!

At baby

Sports & Leisure

Gold's Gym Power Tower ~~\$99.99~~ **\$59.99**
Work your upper body muscle groups without the use of weights
with Gold's Gym Power Tower. Now 40% off!

At ShopSports.com

Music

Stevie Wonder - At The Close Of A Century 4 CD Box Set
\$50.00 \$25.00

66904 037699

kind to cover Wonder's entire cost.

At Rock.com

Books & Magazines

John Grisham's The Brethren with Membership

\$27.95 F00:

Get John Gisham's latest, *The Brethren*, FREE from The

Literary Guilds Plus, get 4 more books

100

Garmin StreetPilot GPS System	\$635.99	\$539.99
-------------------------------	----------	----------

© 2007 by The McGraw-Hill Companies, Inc.

[illegible]

800b

Fig. 8B

John Grisham's The Brethren with Membership

\$27.95 Free!

Get John Grisham's latest, *The Brethren*, FREE from The Literary Guild Plus, get 4 more books for only \$11
At The Literary Guild

Electronics & Gadgets

Garmin StreetPilot GPS System \$635.99 \$399.99

Save over \$200 on the best in satellite tracking technology and detailed electronic maps! Never be lost again!
At TurboPrice.com

Career & Professional

Monthly Pocket Planner \$16.29 \$9.80

This Monthly Pocket Planner is perfect for busy professionals who need to keep a tab on their appointments. Now 35% off!
At myOffice.com

BargainDog Information

Subscription Information

You are subscribed to this newsletter as "jprok@wyshaw.com". To change your preferences, customize your category selections, or unsubscribe from the newsletter, please go to [Our Members Page](#).

Disclaimer

This e-mail is meant for informational purposes only, and is not a guarantee that the products listed may be purchased at the above prices. BargainDog, its affiliated and non-affiliated merchants make no promises or guarantees about the price, quality or availability of products it lists in this service. For a full description of BargainDog's policies, see our [Terms and conditions](#).

0956571.000102

Fig. 8C

BargainDog - The Best Bargains From The Best Sites - Microsoft Internet Explorer

http://www.bargaindog.com/prod/1a-438&id=478810

BargainDog

Home | Register | Search | About Us | Press | FAQ

Browse: All Bargains

Go

Welcome

Register for
BargainDog site
for FREE!

Get BargainDog
FREE!

Get BargainDog
FREE!

Get BargainDog
FREE!

Get BargainDog
FREE!

Join!

Get BargainDog
FREE!

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Get BargainDog
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Get BargainDog
FREE!

Your Product Selection



Click Here!



More Offer Great Bargain Site

Career & Professional >

300 Address Labels and Dispenser

Originally: \$9.99

Now Free!

Savings: 100%

Buy it at iPrint.com

Offer Expires: ???

BargainDog Community Rating:

★★★★★ 150 Bares

(19 ratings) - Rate this Bargain

E-mail this bargain to a friend

Add bargain to your wishlist

Description: This set of 300 Address Labels and Dispenser can now be yours for FREE from iPrint.com! Just pay for shipping! Choose from two different designs and personalize your labels (up to 4 lines) with your name, address, fax or phone number, and even your email address. These convenient labels have a retail value of \$9.99 but...

Top Bargains

300

Address
Labels and
Dispenser

Orig: \$9.99

Now Free!

Now Free!

Now Free!

Now Free!

Now Free!

Now Free!

Now Free!

Now Free!

Now Free!

Now Free!

Now Free!

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Now Free!

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Now Free!

Now Free!

0958511.060409

Fig. 9

3 Print.com The Internet Print Shop (Make a Business Card, Letterhead, Envelope, Label, Stationery, Microsoft Internet Explorer)

http://www8.print.com/cgi-bin/showinfo.cgi?ad=312&U121&A=ref=hp/ /www.bangpang.com/prod/76a-343&uid=4789101-2&shop=121&aw-promo&id

Design Online • Sales & Service • Professional Printing • FREE • \$2.50 Value • 100% Satisfaction Guaranteed



How to
Get it

click here

Retail value \$9.99 includes 300 free
self-adhesive labels and a
dispenser.
Your \$2.00 balance will appear
when you reach the shipping cart.

What's
the Catch?

You must be a new customer and pay for
shipping (as
low as \$1.45 for U.S. addresses).

Still have
Questions?

Email us at Customer_Service@Print.com

We're more than
just labels!

Create proof and order business cards,
postcards, brochures, pens, Post-it®
Notes, rubber stamps and more at
www.Print.com!



*Terms and Conditions: Offer valid for new customers only, one per person, household, address, email or phone number.
Offer excludes the cost of shipping. Must use valid email address. Please allow 6-8 weeks for delivery. While supplies last.

00565974 160100

F16.10

BargainDog

Paul's BargainDog Newsletter - February 18, 2000

802



300 Address Labels and Dispenser \$9.99 Free!

This set of 300 Address Labels and Dispenser can now be yours for FREE from Print.com! Just pay for shipping! At Print.com



Medical Advisor: The Complete Guide \$99.95 \$14.99 Free!

Save 62% on the most comprehensive family medical reference of first aid and healthcare information. Shipping over 400 ailments in full color!

At Allbooklet.com



Chocolate Heart With Card Free!

Chocolate is delicious no matter the shape or this occasion - now get this beautiful card with heart information FREE with the purchase of any card at Sparks.com!

At Sparks.com

More Bargains From BargainDog:

Apparel & Accessories

14-Karat Gold Earrings - Teddy Bears \$29.97 \$12.79

These beautiful 14-karat gold earrings in a variety of styles, including these cute teddy bears, are now up to 50% off!

At saleoutlet.com

~808

~810

~804

0958571.060100

Fig. 11

 <http://www.bergelindog.com/prod/?id=3487&uid=478610>

health | beauty | wellness | personal care | pharmacy

Welcome

Register for
Bangladesh
Newspaper
Bangladesh
Newspaper

We're sorry, but the bargain you selected (Chocolate Heart with Card Purchase) is no longer available. Many of the products we feature are limited-time offers, and merchants often discontinue the promotion or run out of stock.

-1202

Your Product Selection

Top Bargains

\$10 OFF
Your First
Purchase
Orig. \$40.00
Now Free!

PGA Tour
Golf
Volumes 1-
3 - VHS

[Browse other bargains:](#)

All Bargains >

- Apparel & Accessories
- Books & Magazines
- Career & Professional
- Computing
- Cooking & Food
- Electronics & Gadgets
- Health & Beauty
- Hobbies
- Home & Garden
- Movies
- Musical
- Parenting & Children
- Pets
- Sports & Leisure
- Toys & Video Games

If you have any questions or comments, please e-mail us at comments@bargaindog.com

London
Symphony
Orchestra -
Beatles or
Rolling

FIG. 6A
FIG. 6B

FIG. 6

FIG. 8A
FIG. 8B
FIG. 8C

FIG. 8

Fig. 13A

Fig. 13B

Fig. 13

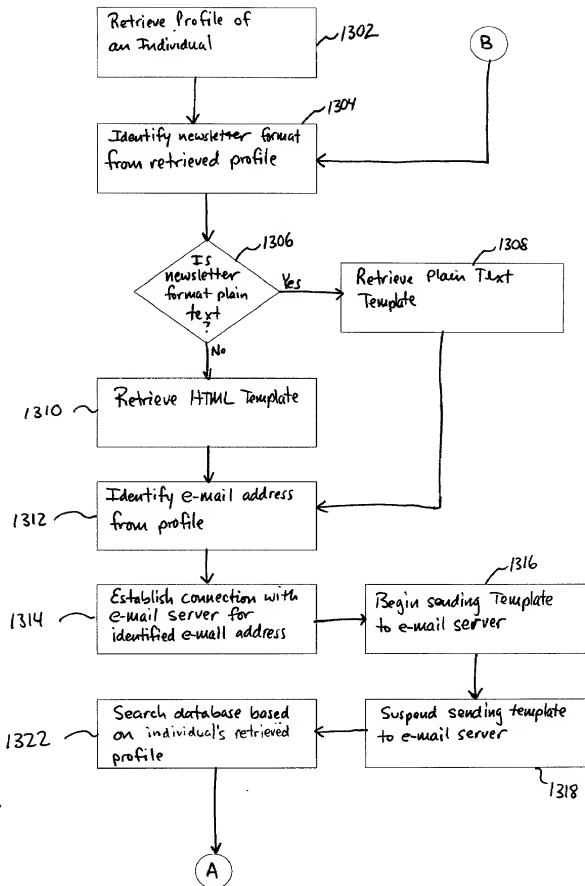


FIG. 13A

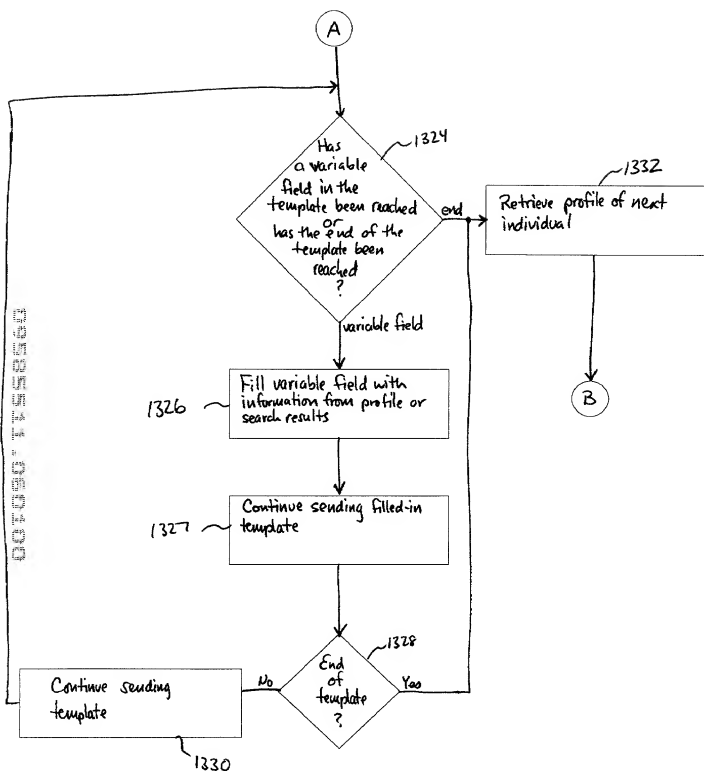


FIG. 13B

HTML Template

```
<!--suspend_auto_output>
<!--load_module path=/s/ehmtl/tags.so>
<!--load_module path=/s/ehmtl/basic.so>
<!--load_module path=/s/ehmtl/control.so>
<!--load_module path=/s/ehmtl/function.so>
<!--load_module path=/s/ehmtl/dbmysql.so>
<!--load_module path=/s/ehmtl/bdogmisc.so>
<!--load_module path=/s/ehmtl/sem.so>
<!--resume_auto_output-->From: BargainDog <comments@bargaindog.com>
To: <!--var name=template_key>
Subject: Bargains from BargainDog!
MIME-Version: 1.0
Content-Type: text/html; charset="us-ascii"
Content-Disposition: inline; filename="bargaindog.html"
```

```
!--sem_op key=qmdb op=-1><!--if cond=<!--not_equal left=<!--dbopen name=bargains
host=192.168.0.100> right>><!--template_defer><!--/if>
```

```
<html><head>
<!--title>Bargains from BargainDog!<!--/title><!--/head>
<!--body bgcolor="#FFFFFF">
```

<!-- If you are reading this message, then the newsletter format
you have selected cannot be understood by your e-mail program.

Please go to the Bargain Dog members page at
<http://www.bargaindog.com/members/>
and switch your newsletter to the text-only format. -->

```
<table border=0 cellpadding=5 cellspacing=0 width=468>
<tr><td colspan=3 align="center">
<a href="http://www.bargaindog.com/"></a>
</td></tr>
```

```
<!--suspend_auto_output>
<!-- Basic User Info -->
<!--dbselect query="select id, first_name, len,
DATE_FORMAT(DATE_SUB('!--var name=day>', INTERVAL <!--var
name=interval>
DAY), '!--Y'%'m%d\'),
DATE_FORMAT('!--var name=day>', '!--M %d, %Y')
from users where email =
<!--dbliteral value=<!--var name=template_key>>">
```

```
<!--var name=uid value=<!--dbfield num=1>>
<!--var name=first_name value=<!--dbfield num=2>>
<!--var name=len value=<!--dbfield num=3>>
<!--var name=startday value=<!--dbfield num=4>>
<!--var name=nice_date value=<!--dbfield num=5>>
<!--/dbselect>
```

<!-- The Query -->

FIG. 14A
FIG. 14B
FIG. 14C
FIG. 14D
FIG. 14E

FIG. 14

FIG. 14A

```

<!var name=qry value='select bargain_cat.id,
    substring(min(concat((bargains.cat_id <> bargain_cat.cat),
        bargain_cat.cat)), 2),
    min((bargains.cat_id <> bargain_cat.cat)) as pri,
    count(*) as cnt, bargains.quality
from bargains straight_join bargain_cat straight_join user_cat
where
    bargain_cat.id = bargain_cat.id
and bargain_cat.cat = user_cat.cat
and user_cat.id = <!var name=uid>
and bargains.start_date >= <!var name=startday>
and bargains.start_date < <!var name=day>
and bargains.cat_id > 0
    and ((bargain_cat.bits1 = 0) or
    (user_cat.bits1 & bargain_cat.bits1))
and ((bargain_cat.bits2 = 0) or
    (user_cat.bits2 & bargain_cat.bits2))
and ((bargain_cat.bits3 = 0) or
    (user_cat.bits3 & bargain_cat.bits3))
group by bargain_cat.id
order by bargains.quality DESC, cnt DESC, bargains.id DESC'> ~ 1408

<!var name=row1 value='<tr>'>
<!var name=row2 value='<tr>'>
<!var name=row3 value='<tr>'>

<!var name=list value="">
<!var name=c value=0>

<!dbselect var=r query='<!var name=qry> limit <!var name=len>'>

<!if_else cond=<!less left=<!var name=c> right=3>>

<!var name=c value=<!plus <!var name=c> 1>>

<!var name=row1
value='<!var name=row1>'> <!td width=33% valign="bottom" align="center">
    <a target=_blank href="http://www.bargaindog.com/prod/?id=<!dbfield
num=1>&uid=<!var name=uid>"> <!img border=0
src="http://www.bargaindog.com/pics/<!dbfield num=1>.jpg"></a></td>'>

<!dbselect query='select bargains.name, short_txt, merchants.name,
    IF(strike<>\0.00\,
        concat('\<s>\$\' , strike, '\</s>&nbsp;&nbsp;&nbsp;'\),
        '\'),
    IF(price<>\0.00\, concat('\$\' , price), '\Free!\'),
    bargains.id
from bargains, merchants where
bargains.id = <!dbfield num=1>
and bargains.mer_id = merchants.id'>

<!var name=row2 value='<!var name=row2>'> <!td width=33% valign="top"

```

FIG. 14B


```

<a target=_blank href="http://www.bargaindog.com/prod/?id=<ldbfield
num=6>&uid=<lvar name=uid>">
  <font face="arial,helvetica" size=-1 color="#000066">
    <b><ldbfield num=1></b></font></a> &nbsp;  <font face="arial,helvetica"
    color="#000066" size=-1><b><ldbfield num=4></b></font>
    color="#AA3333"><ldbfield num=5></b><br></font>
    <ldbfield num=2>
    <br><font color="#AA3333"><b>At <ldbfield num=3></b><br></font></font>>

</dbselect>
</if_else>

</dbselect>

<if cond=<lequal left=<lvar name=r> right=0>></template_fail></if>

<lvar name=row1 value='<lvar name=row1>'></tr>'>
<lvar name=row2 value='<lvar name=row2>'></tr>'>
<lvar name=row3 value='<lvar name=row3>'></tr>'>

</resume_auto_output>

<tr><td colspan=3 align="center">
  <font face="arial,helvetica" size=-1 color="#AA3333">
  <b><nobr><!--if_else cond=<lequal left=<lvar name=first_name>
  right="">>Your</else><!--possess_word word=<lvar name=first_name>>></if_else>
  BargainDog Newsletter - <lvar name=nice_date></nobr></b></font></td></tr>

  <lvar name=row1>
  <lvar name=row2>
  <lvar name=row3>

  <!--dbselect query='select id, copy from newsads where
  run_date = <lvar name=day> and format = 1'>
  <lvar name=ad value=<ldbfield num=2>>
  <tr><td colspan=3 align="center">
  <hr color="#000066" size=1 noshade>
  <font size=-2 color="#AA3333" face="arial,helvetica">
  A D V E R T I S E M E N T
  <br>
  <!--call name=ad>
  <br>
  <hr color="#000066" size=1 noshade>
  </td></tr>
  </dbselect><!--sem_op key=qmdb op=1><!--dbclose>

  <!--if cond=<lgreater left=<lvar name=r> right=3>><tr><td colspan=3
  align=center>
  <font face="arial,helvetica" size=-1 color="#AA3333">
  <b><nobr>More Bargains From BargainDog:</nobr></b></font>
  </td></tr><!--call name=list></if>

  <tr><td colspan=3 align=center>
  <table width=100% border=0 cellpadding=0
  bgcolor="#000066"><tr><td align="center" width=100%>
  <font face="arial,helvetica" size=-1 color="#FFFFFF">

```

FIG. 14D

```

        <nobr><b>BargainDog Information</b></nobr>
        </font>
    </td></tr></table>
</td></tr>

<tr><td colspan=3 align="left">

<font face="arial,helvetica" size=1 color="#AA3333">
<b>Subscription Information</b><br>
<font color="#000066">
You are subscribed to this newsletter as "<{var name=template_key}>".
<br>
To change your preferences, customize your category selections, or
unsubscribe from the newsletter, please
go to <a target=_blank href="http://www.bargaindog.com/members/">Our Members
Page</a>.
<br><br>
</font>

<b>Disclaimer</b>
<br><font color="#000066">
This e-mail is meant for informational purposes only, and is not a guarantee
that the products listed may be purchased at the above prices. BargainDog,
its affiliated and non-affiliated merchants make no promises or
guarantees about the price, quality or availability of products it lists in
this service. For a full description of BargainDog's policies, see our
<a target=_blank href="http://www.bargaindog.com/static/terms.ehtml">terms
and
conditions</a>.

</td></tr>
</table>

</body></html>

```

FIG. 14E

From: BargainDog [comments@bargaindog.com]
Sent: Wednesday, May 24, 2000 12:00 AM
To: psorkin@wgslaw.com
Subject: Bargains from BargainDog!

BargainDog

Paul's BargainDog Newsletter - May 24, 2000



Free!

The Resurrected & Grave Indiscretion - VHS

Now watch Sting in Grave Indiscretion or be horrified by The Resurrected for FREE when you pay \$4.95 each for shipping! At FreeStuffThisWeek.com

1504



~~\$34.95~~ \$14.95

Expedia Streets Deluxe & Trip Planner 2000

Get address-to-address routing, detailed driving directions, and trip-planning all in one with Expedia Streets and Trips 2000, 37% off with \$20 mail-in rebate! At SoftwareBuyline



~~\$34.99~~ \$16.99

Kideo Animated

"And the Oscar goes to..." Now you can make that dream come true with a personalized video from Kideo. Now 51% off! At EToys

1506

More Bargains From BargainDog:

Career & Professional

Sports Ball Mousepads ~~\$42.95~~ \$4.00

Give your favorite sports fan a treat with their very own personalized mouse pad. Now 69% off! At Personal Creations

~ 1508

Electronics & Gadgets

Midland 75-507 14-Channel Family Radio (Single)

~~\$79.95~~ \$19.99

This tiny, inexpensive 2-way radio packs just enough features for the casual user to make it a terrific deal. Now 75% off! At Amazon.com

~ 1510

Movies

Two Free Blockbuster Movie Rentals with \$25 Purchase

Free!

Now at PetsMart.com, spend \$25 and receive a Blockbuster Movie Card good for 2 FREE movie rentals! At PetsMart.com

~ 1512

Apparel & Accessories

Men's Golfer Silk Tie ~~\$26.00~~ \$19.00

This classic Renato Balestra Italian silk tie will make a winning impression on your next interview or date! Now save 37%!

At tiemaster.com

~ 1514

BargainDog Information

FIG. 15

Subscription Information

You are subscribed to this newsletter as "psorkin@wgslaw.com". To change your preferences, customize your category selections, or unsubscribe from the newsletter, please go to Our Members Page.

Disclaimer

This e-mail is meant for informational purposes only, and is not a guarantee that the products listed may be purchased at the above prices. BargainDog, its affiliated and non-affiliated merchants make no promises or guarantees about the price, quality or availability of products it lists in this service. For a full description of BargainDog's policies, see our terms and conditions.

1614

1616

1618

1620

```

<a target=_blank href="http://www.bargaindog.com/prod/?id=4739&uid=478810"><font
face="arial,helvetica" size=-1
color="#000066"><b>The Resurrected & Grave Indiscretion - VHS</b></font></a><br><font
face="arial,helvetica" color="#000066" size=-2>
Now watch Sting in Grave Indiscretion or be horrified by The Resurrected for FREE when you pay $4.95
each for shipping</b></font></a><br><font color="#AA3333"><b>At
FreeStuffThisWeek.com</b></font></td><td width=33% valign="top" align="center">
<a target=_blank href="http://www.bargaindog.com/prod/?id=4758&uid=478810"><font
face="arial,helvetica" size=-1
color="#000066"><b>Expedia Streets Deluxe & Trip Planner 2000</b></font></a><br><font
face="arial,helvetica" color="#000066" size=-2>
Get address-to-address routing, detailed driving directions, and trip-planning all in one with Expedia
Streets and Trips 2000, 57% off with $20 mail-in rebatel<br><font color="#AA3333"><b>At
SoftwareBuyline</b></font></td><td width=33% valign="top" align="center">
<a target=_blank href="http://www.bargaindog.com/prod/?id=4742&uid=478810"><font
face="arial,helvetica" size=-1
color="#000066"><b>Kideo Animated</b></font></a><br><font face="arial,helvetica" color="#000066"
size=-2>
"And the Oscar goes to..." Now you can make that dream come true with a personalized video from
Kideo. Now 51% off<br><font color="#AA3333"><b>At
EToys</b></font></td></tr>

```

```

<tr><td colspan=3 align=center>
<font face="arial,helvetica" size=-1 color="#AA3333">
<b><no>More Bargains From BargainDog.</no></b></font>
</td></tr><tr><td colspan=3 align=center>





```

1620

```

<tr><td colspan=3 align=center>
<a target=_blank href="http://www.bargaindog.com/prod/?id=4725&uid=478810">
<font face="arial,helvetica" size=-1 color="#000066">
<b>Sports Ball Mousepads</b></font></a> &nbsp;  <font face="arial,helvetica"
color="#000066" size=-1><b><s>$12.95</s>&nbsp;&nbsp;&nbsp;<font
color="#AA3333">$4.00</b></font>
Give your favorite sports fan a treat with their very own personalized mouse pad. Now 69% off!
<br><font color="#AA3333"><b>At Personal Creations</b></font></td></tr><tr><td
colspan=3 align=center>





```

```

<tr><td colspan=3 align=center>
<a target=_blank href="http://www.bargaindog.com/prod/?id=4768&uid=478810">
<font face="arial,helvetica" size=-1 color="#000066">
<b>Midland 75-507 14-Channel Family Radio (Single)</b></font></a> &nbsp; &nbsp;<font
face="arial,helvetica"
color="#000066" size=-1><b><s>$79.95</s>&nbsp;&nbsp;&nbsp;<font

```

FIG. 16B

color="#AA3333">\$19.99

 This tiny, inexpensive 2-way radio packs just enough features for the casual user to make it a
 terrific deal. Now 75% off!

At Amazon.com
</td></tr><tr><td
 colspan=3 align=center>
 <table width=100% border=0 cellpadding=0
 bgcolor="#000066"><tr><td align="center" width=100%>

 <nobr>Movies</nobr>

 </td></tr></table></td></tr>
 <tr><td colspan=3 align=center>

 Two Free Blockbuster Movie Rentals with \$25 Purchase <font
 face="arial,helvetica"
 color="#000066" size=-1><font
 color="#AA3333">Free!

 Now at PetsMart.com, spend \$25 and receive a Blockbuster Movie Card good for 2 FREE movie
 rentals!

At PetsMart.com
</td></tr><tr><td
 colspan=3 align=center>
 <table width=100% border=0 cellpadding=0
 bgcolor="#000066"><tr><td align="center" width=100%>

 <nobr>Apparel & Accessories</nobr>

 </td></tr></table></td></tr>
 <tr><td colspan=3 align=center>

 Men's Golfer Silk Tie <font face="arial,helvetica"
 color="#000066" size=-1><s>\$26.00</s> <font
 color="#AA3333">\$19.00

 This classic Renato Balestra Italian silk tie will make a winning impression on your next interview
 or date! Now save 37%!

At tiemaster.com
</td></tr>
 <tr><td colspan=3 align=center>
 <table width=100% border=0 cellpadding=0
 bgcolor="#000066"><tr><td align="center" width=100%>

 <nobr>BargainDog Information</nobr>

 </td></tr></table>
 </td></tr>
 <tr><td colspan=3 align="left">

 Subscription Information

 You are subscribed to this newsletter as "psorkin@wgslaw.com".

Fig. 16C

To change your preferences, customize your category selections, or unsubscribe from the newsletter, please go to Our Members Page.

Disclaimer

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</td></tr>

</table>

</body></html>

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FIG. 16D

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

**METHOD AND APPARATUS FOR DELIVERING CUSTOMIZED INFORMATION
ACCORDING TO A USER'S PROFILE**

the specification of which is attached hereto unless the following is checked:

☐ was filed on , as Application No. , bearing attorney docket No. , and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or section 365(a) of any PCT International application designating at least one country other than the United States listed below and have also identified below any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign PCT International Application(s) and any priority claims under 35 U.S.C. §§119 and 365(a),(b):

			Priority Claimed	
			<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country-if PCT, so indicate)	(DD/MM/YY Filed)	YES	NO
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country-if PCT, so indicate)	(DD/MM/YY Filed)	YES	NO
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country-if PCT, so indicate)	(DD/MM/YY Filed)	YES	NO

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

(Application Number)	(filing date)
(Application Number)	(filing date)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s), or §365(c) of any PCT International application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application No.)	(filing date)	(status-patented, pending, abandoned)
(Application No.)	(filing date)	(status-patented, pending, abandoned)

PCT International Applications designating the United States:

(PCT Appl. No.)	(U.S. Ser. No.)	(PCT filing date)	(status-patented, pending, abandoned)
-----------------	-----------------	-------------------	---------------------------------------

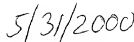
I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Robert M. Abrahamsen	40,886	Jason M. Honeyman	31,624	Edward J. Russavage	43,069
John N. Anastasi	37,765	Robert E. Hunt	39,231	Stanley Sacks	19,900
Gary S. Engelson	35,128	Ronald J. Kransdorf	20,004	Christopher S. Schultz	37,929
Neil P. Ferraro	39,188	Peter C. Lando	34,654	Alan B. Sherr	42,147
Thomas G. Field	45,596	Helen C. Lockhart	39,248	Robert A. Skrivaneck, Jr.	41,316
Stephen R. Finch	42,534	Matthew B. Lowrie	38,228	Paul D. Sorkin	39,039
Edward R. Gates	31,616	William R. McClellan	29,409	Alan W. Steele	45,128
Richard F. Giunta	36,149	Daniel P. McLoughlin	46,066	Mark Steinberg	40,828
Peter J. Gordon	35,164	James H. Morris	34,681	Joseph Teja, Jr.	45,157
John C. Gorecki	38,471	M. Lawrence Oliverio	30,915	John R. Van Amsterdam	40,212
William G. Gosz	27,787	Timothy J. Oyer	36,628	Robert H. Walat	46,324
Lawrence M. Green	29,384	Edward F. Perlman	28,105	Lisa E. Winsor	44,405
George L. Greenfield	17,756	Michael J. Pomianek	46,190	David Wolf	17,528
James M. Hanifin, Jr.	39,213	Elizabeth R. Plumer	36,637	Douglas R. Wolf	36,971
Therese A. Hendricks	30,389	Randy J. Pritzker	35,986	Ivan D. Zitkovsky	37,482
Steven J. Henry	27,900	Robert E. Rigby, Jr.	36,904		

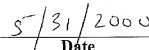
Address all telephone calls to Paul D. Sorkin at telephone no. (617) 720-3500. Address all correspondence to:

Paul D. Sorkin
c/o Wolf, Greenfield & Sacks, P.C.,
Federal Reserve Plaza
600 Atlantic Avenue
Boston, MA 02210-2211

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Inventor's signature****Date**

Full name of first or joint inventor: Elliot Shmukler
Citizenship: U.S.
Residence: Boston, MA
Post Office Address: 295 Newbury Street, #6, Boston, MA 02115

**Inventor's signature****Date**

Full name of second joint inventor: Joshua J. Schanker
Citizenship: U.S.
Residence: Boston, MA
Post Office Address: 482 Mass. Ave., Apt. 1, Boston, MA 02118